

Abstract

In a telecommunications transmission system using a DTM system as multicarrier system and having at least two VDSL systems, each comprising a pair of modems, said at least two VDSL systems belonging to a single binder group common to both VDSL systems, a method in said DMT system for keeping DMT frames aligned to the same frame timing.

The steps is

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- estimating the time mis-alignment and power of cross-talk DMT signals added to a received DMT signal when the estimate is used by the modem to synchronise its own frame timing to a main cross-talkers frame timing and
- 15 • that auto-correlation is used on the received signal and a delayed copy of the received signal and
- that correlation maxima detects that determine the frame boundaries of different DMT components of the received signal.

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